

### REMARKS

In response to the Office Action mailed August 18, 2004, Applicants amended claims 9, 23, 24, 27, 30-32, canceled claims 6 and 12-14, and added new claims 39-76. Claims 1-5, 7-11, and 15-76 are presented for examination.

The Examiner objected to the specification. Applicants amended the specification to obviate the objection, and so the objection should be withdrawn.

The Examiner rejected independent claim 1 and its dependent claims 2-5, 7-11, and 15-22 under 35 U.S.C. §103(a) as being unpatentable over Wang (6,469,324). However, Wang does not disclose or suggest methods of making a light-emitting device that include bonding a layer of a reflective material with a layer of p-doped material, as required by claims 1-5, 7-11, and 15-22. With respect to figures 13 and 14, Wang does not disclose bonding a layer of reflective material (182A) with a layer of p-doped material (124) (col. 6, lines 11-57). As a result, Wang does not disclose the methods covered by claims 1-5, 7-11, and 15-22. In addition, there is no suggestion to modify Wang's process to provide the methods covered by these claims. In Wang's process, the top surface of the LED is "wax bonded to a supporting plate and the first GaAs substrate is removed" (col. 6, lines 24-25). The removal of the GaAs substrate exposes a surface of the n-doped layer 120 which is subsequently bonded to the second substrate (col. 6, lines 25-28). There is no suggestion to modify this process to provide the methods covered by claims 1-5, 7-11, and 15-22. For at least the foregoing reasons, Applicants request reconsideration and withdrawal of the rejection of claims 1-5, 7-11, and 15-22 under 35 U.S.C. §103(a).

The Examiner rejected independent claim 23 and dependent claims 24-38 under 35 U.S.C. §103(a) as being unpatentable over Wang (6,469,324). Applicants amended claim 23 to include the limitation of "planarizing a surface of the first layer after disbonding the substrate." Wang does not disclose or suggest planarizing the surface of the first layer after the substrate is removed. Applicants therefore request reconsideration and withdrawal of the rejection of claims 23-38 under 35 U.S.C. §103(a).

The Examiner indicated that previously pending claim 6 would be allowable if rewritten in independent form including all of the limitations of its base claim (claim 1) and any

intervening claims (claims 2 and 4). Applicants canceled claim 6 and added new independent claim 39 to include the limitations of previously pending claim 6. With the exception that the limitation "after bonding the layer of reflective material with the first layer" presented in previously pending claim 6 was changed to recite "after bonding the layer of reflective material with the layer of p-doped material." Claims 40-57 depend from claim 39.

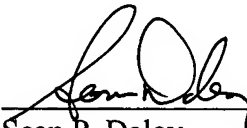
The Examiner also indicated that previously pending claim 12 would be allowable if rewritten in independent form including all of the limitations of its base claim (claim 1) and any intervening claims (claims 2 and 4). Applicants canceled claims 12-14 and added new independent claim 58 to include the limitations of previously pending claim 12. Claims 59-76 depend from claim 58.

Applicants believe the application is in condition for allowance, which action is requested.

Applicants enclose a check to cover fees associated with extra claims. Please apply any charges or credits to deposit account 06-1050.

Respectfully submitted,

Date: 11/1/04

  
Sean P. Daley  
Reg. No. 40,978

Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906